ELSEVIER

Molecular Cell Research

Vol. 1312, 1996

BBA Biochimica et Biophysica Acta

Cumulative Contents

Regular section

Information for Contributors vii

Regular papers

Complete inhibition of poly(ADP-ribose) polymerase activity prevents the recovery of C3H10T1/2 cells from oxidative stress
G.M. Shah, D. Poirier, S. Desnoyers, S. Saint-Martin, J.-C. Hoflack, P. Rong, M. ApSimon, J.B. Kirkland and G.G. Poirier (Canada) 1

Induction of murine erythroleukemia cell differentiation is associated with methylation and differential stability of poly(A)$^+$ RNA transcripts
I.S. Vizirianakis and A.S. Tsiftsoglou (Greece) 8

Neuronal differentiation of embryonic stem cells
W.G. Van Inzen, M.P. Peppelenbosch, M.W.M. Van den Brand, L.G.J. Tertoolen and S.W. De Laat (The Netherlands) 21

Serum-starvation induces the extracellular appearance of FGF-1
J.T. Shin, S.R. Opalenik, J.N. Wehby, V.K. Mahesh, A. Jackson, F. Tarantini, T. Maciag and J.A. Thompson (USA) 27

Topological organization of the cytosolic activating complex of the superoxide-generating NADPH-oxidase. Pinpointing the sites of interaction between p47phox, p67phox and p40phox using the two-hybrid system
A. Fuchs, M.-C. Dagher, J. Fauré and P.V. Vignais (France) 39

Evidence for a link between translocation and processing during protein import into soybean mitochondria
J. Whelan, M.R. Tanudji, M.K. Smith and D.A. Day (Australia) 48

Evidence for coordinated regulation of osteoblast function by 1,25-dihydroxyvitamin D_3 and parathyroid hormone
J.P.T.M. Van Leeuwen, J.C. Birkenhäger, G.C.M. Van den Bemd and H.A.P. Pols (The Netherlands) 55

Subsection

Short sequence-paper

cDNA cloning and characterization of rat Clk3, a LAMMER kinase predominately expressed in testis
W. Becker, H. Kentrup, J. Heukelbach and H.-G. Joost (Germany) 63

Regular papers

Pioglitazone attenuates the inhibitory effect of phorbol ester on epidermal growth factor receptor autophosphorylation and tyrosine kinase activity
Y. Takata, T. Imamura, G.H. Yang, Y. Takada, T. Sawa, H. Morioka and M. Kobayashi (Japan) 68

Kinetics and specificity of human B-cell glucokinase: relevance to hexose-induced insulin release
A. Sener and W.J. Malaisse (Belgium) 73

Regular section

Regular papers

Calcium efflux mechanism in sperm mitochondria
H. Breitbart, S. Rubinstein and M. Gruberger (Israel) 79

Identification of sites on epidermal growth factor receptors which are phosphorylated by pp60^{src} in vitro
J.D. Wright, C.W.M. Reuter and M.J. Weber (USA) 85

Highly-expressed S100A3, a calcium-binding protein, in human hair cuticle
K. Kizawa, H. Uchiwa and U. Murakami (Japan) 94

Expression of cytidine deaminase in human solid tumors and its regulation by 1α,25-dihydroxyvitamin D_3
S.-I. Watanabe and T. Uchida (Japan) 99

Gastric chief cells possess NK_1 receptors which mediate pepsinogen secretion and are regulated by agents that increase cAMP and phospholipase C
Y. Kitsukawa, R.J. Turner, T.K. Pradhan and R.T. Jensen (USA) 105

Type II transglutaminase expression in rabbit articular chondrocytes in culture: relation with cell differentiation, cell growth, cell adhesion and cell apoptosis
L. Borge, S. Demignot and M. Adolphe (France) 117

Alteration of glutathione transferase subunits composition in the liver of young and aged rats submitted to hypoxic and hyperoxic conditions
C. Di Ilio, S. Angelucci, T. Bucciarelli, A. Pennelli, R. Petruzzelli, C. Di Giulio, M. Miranda, F. Amicarelli and P. Sacchetta (Italy) 125

Glucagon-like peptide-1(7–36)amide enhances insulin-stimulated glucose uptake and decreases intracellular cAMP content in isolated rat adipocytes
H. Miki, M. Namba, T. Nishimura, I. Mineo, T. Matsumura, J.-i. Miyagawa, H. Nakajima, M. Kuwajima, T. Hanafusa and Y. Matsuzawa (Japan) 132

Biphasic modulation of cell growth by recombinant human galectin-1
L. Adams, G.K. Scott and C.S. Weinberg (New Zealand) 137

Diadenosine polyphosphates regulate cytosolic calcium in human fibroblast cells by interaction with P_{2x} purinoceptors coupled to phospholipase C
M. Tepel, S. Löwe, J.-R. Nofer, G. Assmann, H. Schlüter and W. Zidek (Germany) 145

Potentiation of the intracellular Ca^{2+} response to arginine vasopressin by increased cytosolic-free Mg^{2+} in rat vascular smooth muscle cells
M. Yoshimura, T. Oshima, H. Matsuura, T. Ishida, M. Kambe and G. Kajiyama (Japan) 151

Subsection

Localization of mRNA for the muscarinic M1 receptor in rat stomach
K.G. Helander, K. Bamberg, G. Sachs, D. Melle and H.F. Helander (USA, Sweden) 158

Alterations in macrophage G proteins are associated with endotoxin tolerance
M. Makhlouf, S.H. Ashton, J. Hildebrandt, N. Mehta, T.W. Gettys, P.V. Halushka and J.A. Cook (USA) 163

Phosphatase 2A regulates the responsiveness of olfactory cilia
C. Kroner, I. Boekhoff and H. Breer (Germany) 169

Regular section

Information for Contributors *v*

Structural requirements for intracellular transport of pulmonary surfactant protein B (SP-B)
S. Lin, K.S. Phillips, M.R. Wilder and T.E. Weaver (USA) 177

Human immunodeficiency virus type-1 (HIV-1) infection increases the sensitivity of macrophages and THP-1 cells to cytotoxicity by cationic liposomes
K. Konopka, E. Pretzer, P.L. Felgner and N. Düzgüneş (USA) 186

Biological activity of 26-succinylbryostatin 1
G.S. Bignami, F. Wagner, P.G. Grothaus, P. Rustagi, D.E. Davis and A.S. Kraft (USA) 197

Controlled overexpression of selected domains of the P85 subunit of phosphatidylinositol 3-kinase reverts v-Ha-Ras transformation
Q.-X. Zhang, I.D. Davis and G.S. Baldwin (Australia) 207

The plasma membrane NADH-diaphorase is active during selective phases of the cell cycle in mouse neuroblastoma cell line NB41A3. Its relation to cell growth and differentiation
R. Zurbriggen and J.-L. Dreyer (Switzerland) 215

Phenylarsine oxide and vanadate: apparent paradox of inhibition of protein phosphotyrosine phosphatases in rat adipocytes
J. Li, G. Elberg and Y. Shechter (Israel) 223

Expression of the human RAD51 gene during the cell cycle in primary human peripheral blood lymphocytes
J. Flygare, F. Benson and D. Hellgren (Sweden, UK) 231

Measurement of endosome pH following folate receptor-mediated endocytosis
R.J. Lee, S. Wang and P.S. Low (USA) 237

Subsection

Structure and expression of the promoter for the R4/ALK5 human type I transforming growth factor-β receptor: regulation by TGF-β
B.B. Bloom, D.E. Humphries, P.-P. Kuang, A. Fine and R.H. Goldstein (USA) 243

Characterization of adenylyl cyclase stimulated by VIP in rat and mouse peritoneal macrophage membranes
D. Pozo, J.J. Segura, I. Carrero, L.G. Guijarro, J.C. Prieto and J.R. Calvo (Spain) 249

Phorbol ester-induced shedding of intercellular adhesion molecule-1 . (ICAM-1) on erythroleukemic K 562 cells
S. Fritz, F. Striggow, D. Reinhold, T. Schlüter, P. Schönfeld, S. Ansorge and R. Bohnensack (Germany) 255

Cumulative Contents, Vol. 1312 263

Author Index 265